WELDING JOURNAL INDEX

VOLUME 43—1964

PUBLISHED BY THE AMERICAN WELDING SOCIETY, 345 EAST 47TH ST., NEW YORK, N.Y. 10017

Welding Journal

This part includes general technical articles, papers presented before Section and National meetings, articles for the Practical Welder and Designer, news, biographical items, current welding literature and advertising.

Welding Research Supplement

This section includes the reports of the Welding Research Council, critical digests of the literature, reports of the Project Committees and research reports of industry, also papers presented at National Meetings.

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PETRICK, L. M.—Welding of 60 Chromium - 40 Nickel Alloy to Low Carbon and Stainless Steels, 198-s to 201-s (May).
PORTER, L. F.—Development of a High-Toughness Alloy Plate Steel with a Minimum Yield Strength of 140 ksi, 514-s to 520-s (Nov).
PRESCOTT, G. R.—Porosity in Aluminum Welds, 443-s to 453-s (Oct).

RATHBONE, A. M.—Weldability of a High-Toughness Alloy Plate Steel with a Minimum Yield Strength of 140 ksi, 551-s to 563-s (Dec).
RAZIUNAS, V.—Spectrographic Monitoring of Inert-Gas Shields for Atmospheric Contaminants, 282-s to 288-s (Jun).
ROBELOTTO, R. P.—Resistance Welding of Inconel 718 Nickel Base Alloy, 49-s to 56-s (Feb).
ROBINSON, V. S.—The Creep-Rupture of Pressure Vessel Steel, 531-s to 540-s (Dec).
ROVIN, S.—A Matrix Reinforced Thermal Protective System, 329-s to 336-s (Jul).
RUDY, J. F.—Development of Partially Volatile Filler Alloys for High-Temperature Brazing, 63-s to 70-s (Feb).

SAPERSTEIN, Z. P.—Porosity in Aluminum Welds, 443-s to 453-s (Oct).
SAVAGE, W. F.—A New Literature Review of The Physical Metallurgy of Electric Resistance Welding, 140-s to 144-s (Mar).
SCHNABEL, G. J.—The Hot Bend Test—A Tool to Predict Suitable Weldability and High Temperature Service Performance of Austenitic Steels, 353-s to 357-s (Aug).
SCHNEIDER, G. T.—An Experimental Stress Analysis of a Thick Walled Cylindrical Pressure Vessel with a Hemispherical Head Closure, 461-s to 464-s (Oct).
SCHWARTZBART, H.—Development of Partially Volatile Filler Alloys for High-Temperature Brazing, 63-s to 70-s (Feb).
SHAMBLIN, J. E.—Plasma Arc Cutting, 470-s to 472-s (Oct).
SLAUGHTER, G. M.—The Welding of Ferritic Steels to Austenitic Stainless Steels, 454-s to 460-s (Oct).
SOLDAN, H. M.—The Hot Bend Test—A Tool to Predict Suitable Weldability and High Temperature Service Performance of Austenitic Steels, 353-s to 357-s (Aug).
SPITZIG, W. A.—Metallurgical Bonding of Plasma Sprayed Tungsten on Hot Molybdenum Substrates, 425-s to 427-s (Sep).
STOUT, R. D.—Delayed Cracking in Steel Weldments, 145-s to 160-s (Apr). The Creep-Rupture Properties of Pressure Vessel Steels, 531-s to 540-s (Dec).
SULLIVAN, C. P.—A Microstructure Study in a Welded Superalloy, 393-s to 399-s (Sep).

TABER, K. C.—The Soldering of Beryllium Metal, 57-s to 62-s (Feb).
TALL, L.—Residual Stresses in Welded Plates—A Theoretical Study, 10-s to 23-s (Jan).
Residual Stresses in Welded Shapes, 295-s to 306-s (Jul).
TRAVIS, R. E—Welding of 18% Ni–Co–Mo Maraging Alloys, 193-s to 197-s (May).
Weld Cracking Under Hindered Contraction: Comparison of Welding Process, 504-s to 513-s (Nov).
TURNER, P. W.—Dilution in Multipass Welding AISI 4310 Type 304 Stainless Steel, 541-s to 550-s (Dec).

VAGI, J. J.—Investigation Bonding with Exploding Foils, 521-s to 525-s (Dec).

WATSON, J. F.—A Quantitative Magnetic Technique for Determining the Martensite Content of Metastable Stainless Steels, 39-s to 42-s (Jan).
WEISMANTEL, E. E.—The Soldering of Beryllium Metal, 57-s to 62-s (Feb).
Welding of Heavy Beryllium Copper Plates, 500-s to 503-s (Nov).
WELTER, G.—Temperature Effects on the Hydrodynamic Compression Treatment of Spot Welds, 202-s to 208-s (May).
WESSEL, E. T.—Development of a High Strength, Tough Weldable, Structural Steel, 215-s to 231-s (May).
Correlation of Laboratory Determinations of Fracture Toughness with the Performance of Large Steel Pressure Vessels, 415-s to 424-s (Sep).
WHITE, S. S.—Welding of 60 Chromium-40 Nickel Alloy to Low Carbon and Stainless Steels, 198-s to 201-s (May).
Simultaneous Stress-Strain Measurement in Fusion Zone and Base Metal, 465-s to 469-s (Oct).
Influence of Gas Contents on Crack Propagation, 526-s to 530-s (Dec).
WILLNER, E.—Welding Characteristics of LA141XA Magnesium-Lithium Alloy Sheet, 1-s to 9-s (Jan).
WITHERELL, C. E.—Welding Nickel-Iron Alloys of the Invar Type, 161-s to 169-s (Apr).
Progress in Welding 9% Ni Steel, 473-s to 480-s (Nov).
WU, S. M.—Analysis of Rail Steel Bar Welds by Two-Level Factorial Design, 179-s to 183-s (Apr).